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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/361,893	07/27/1999	CHRISTOPHER L. MCCRANK	2000.009700	6115
23720	7590 08/05/2005		EXAMINER	
WILLIAMS, MORGAN & AMERSON, P.C. 10333 RICHMOND, SUITE 1100 HOUSTON, TX 77042		CHANG, EDITH M		
		ART UNIT	PAPER NUMBER	
			2637	

DATE MAILED: 08/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)
	09/361,893	MCCRANK ET AL.
Office Action Summary	Examiner	Art Unit
	Edith M. Chang	2637
The MAILING DATE of this communication of Period for Reply	appears on the cover sheet v	vith the correspondence address
A SHORTENED STATUTORY PERIOD FOR RETHE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, and if NO period for reply is specified above, the maximum statutory per Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the material patent term adjustment. See 37 CFR 1.704(b).	N. R. 1.136(a). In no event, however, may a reply within the statutory minimum of the fid will apply and will expire SIX (6) MC atute, cause the application to become A	reply be timely filed irty (30) days will be considered timely. INTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).
Status		
1)⊠ Responsive to communication(s) filed on 25 2a)□ This action is FINAL. 2b)⊠ T 3)□ Since this application is in condition for allocation accordance with the practice under the condition of the condition	his action is non-final. wance except for formal ma	
Disposition of Claims		
4) ☐ Claim(s) 1-20 is/are pending in the application 4a) Of the above claim(s) is/are without 5) ☐ Claim(s) 1,3 and 10 is/are allowed. 6) ☐ Claim(s) 2 and 8 is/are rejected. 7) ☐ Claim(s) 4-7,9 and 11-20 is/are objected to 8) ☐ Claim(s) are subject to restriction and are subject to restriction and application Papers 9) ☐ The specification is objected to by the Exame 10) ☐ The drawing(s) filed on 03 February 2003 is Applicant may not request that any objection to the specific to the specific of the specific	drawn from consideration. d/or election requirement. hiner. /are: a)⊠ accepted or b)□	
Replacement drawing sheet(s) including the corn 11) The oath or declaration is objected to by the		
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the papplication from the International Bur * See the attached detailed Office action for a	ents have been received. ents have been received in priority documents have been reau (PCT Rule 17.2(a)).	Application No n received in this National Stage
Attachment(s)		
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB. Paper No(s)/Mail Date 	Paper No	Summary (PTO-413) b(s)/Mail Date Informal Patent Application (PTO-152)

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see pages 14-24, filed on May 25, 2005, with respect to the U.S.C. 103 rejection of claims 1-20 have been fully considered and are persuasive. The U.S.C. 103 rejection of claims 1-20 has been withdrawn.

Specification

2. The abstract of the disclosure is objected to because on page 11 line 23, the base unit receiver 120 should be the base unit receiver 210. Correction is required. See MPEP § 608.01(b).

Claim Objections

Claims 2, 4-9 and 11-20 are objected to because of the following informalities:
 Claim 2, line 3: "selecting a second radio" should be "selecting the second radio".
 Claim 4, line 1: "wherein selecting a third" should be "wherein selecting the third";

line 3: "selecting a third radio" should be "selecting the third radio".

Claim 5, line 2: "over a first radio" should be "over the first radio"; line 3: 'during a first time frame" should be "during the first time frame"; line 5: "over a first frequency" should be "over the first frequency"; line 6: "during a" should be "during the".

Claim 6, line 3: "during a second time frame" should be "during the second time frame"; line 7: "during a second time frame" should be "during the second time frame".

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Claim 7, line 3: "during a third time frame" should be "during the third time frame"; line 7: "during a third time frame" should be "during the third time frame".

Claim 8, line 3: "by a voltage controlled" should be "by the voltage controlled"; line 4: "by a frequency" should be "by the frequency"; line 5: "select a second radio" should be "select the second radio".

Claim 9, line 1: "a third radio" should be "the third radio"; line 3: "by a voltage controlled" should be "by the voltage controlled"; line 4: "by a frequency" should be "by the frequency"; line 5: "select a third radio" should be "select the third radio".

Claim 11, lines 2 & 3: "communication unit" should be "communication units";

Claim 13, lines 6-7: "over a first" should be "over the first radio".

Claim 14, line 2: "a transmitter" should be "the transmitter".

Claims 16 & 17, line 2: "each include" should be "each includes".

Claim 20, line 1: "coupled to the" should be "coupled to a".

Claims 12, 15 and 18-19 are dependent on the objected claim 11.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 2 and 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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Claim 2, line 1: "wherein selecting a second radio frequency" lacks antecedent basis.

Claim 8, line 1: "wherein selecting a second radio frequency" lacks antecedent basis.

Allowable Subject Matter

- 6. Claims 1, 3 and 10 are allowed.
- 7. Claims 2 and 8 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.
- 8. Claims 2, 4-9 and 11-20 would be allowable if rewritten or amended to overcome the objection(s) set forth in this Office action.
- 9. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record fails to teach or suggest, alone or in a combination, among other things, at least an apparatus for transmitting communication between first and second communication units over a plurality of radio frequencies and its method as a whole, the combination of elements and features, which includes the first and second communication units communicate over a first radio frequency during a first time frame; a voltage controlled oscillator (VCO) of the first and second communication units selecting an initial frequency, a frequency multiplier multiplying the initial frequency to select a second radio frequency during a time period with .

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Conclusion

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edith M. Chang whose telephone number is 571-272-3041. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay K. Patel can be reached on 571-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Edith Chang August 1, 2005

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